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PATENT

UMICORE 0120-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ZUBER *et al.* Examiner: To be assigned  
 Serial No.: 10/699,158 Group Art Unit: 1748  
 Filed: October 30, 2003  
 For: Membrane Electrode Unit For Electrochemical Equipment  
 Customer No.: 23719 Kalow & Springut LLP  
 488 Madison Avenue, 19th Floor  
 New York, New York 10022

January 29, 2007

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, Applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO/SB/08A and B. Applicants do not admit that the references are "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such references. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with Applicants' duty to disclose all information of which they are aware and believe relevant to the examination of the above-identified application, Applicants believe that their invention is patentable.

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Certificate of Mailing Under 37 C.F.R. 1.8

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*Mark Daly*  
 (Signature)

*Mark Daly*  
 (Printed Name of Person Signing Certificate)

*January 29, 2007*  
 (Date)



### I. U.S. PATENT DOCUMENTS

Patent No.	Date Issued	Title
5861222 to FISCHER, <i>et al.</i>	January 19, 1999	Gas diffusion electrode for membrane fuel cells and method of its production
6309772 to ZUBER, <i>et al.</i>	October 30, 2001	Membrane-electrode unit for polymer electrolyte fuel cells and processes for their preparation
6500217 to STARZ, <i>et al.</i>	December 31, 2002	Process for applying electrode layers to a polymer electrolyte membrane strip for fuel cells
6613215 to MOLTER, <i>et al.</i>	September 2, 2003	Method for electrolysis of water using a polytetrafluoroethylene supported membrane in electrolysis cells
5187025 to KELLAND, <i>et al.</i>	February 16, 1993	Unitized fuel cell structure
6245454 to GOCHO, <i>et al.</i>	June 12, 2001	Fuel cell and method of installing linings on gas manifolds of fuel cell
5464700 to STECK, <i>et al.</i>	November 7, 1995	Gasketed membrane electrode assembly for electrochemical fuel cells

### II. U.S. PATENT APPLICATION PUBLICATION

Publication No.	Date Issued	Title
2003/0057088 A1 to ICHIKAWA MASAO, <i>et al.</i>	March 27, 2003	Water electrolysis cell

### III. FOREIGN PATENT DOCUMENTS

Publication No.	Country	Publication Date
EP 1 289 042 A2	EPO	05 March 2003
EP 1 289 042 A3	EPO	16 March 2005



Publication No.	Country	Publication Date
EP 0 951 086 A2	EPO	20 October 1999
EP 0 951 086 A3	EPO	17 October 2001
EP 0 951 086 B1	EPO	20 October 1999
JP 09289028 A JPO Abstr.	Japan	04 November 1997
JP 11045729 A JPO Abstr.	Japan	16 February 1999
WO 02/27845 A2	WIPO	04 April 2002

#### **IV NON-PATENT APPLICATION PUBLICATION**

International Search Report for PCT/EP2004/007794

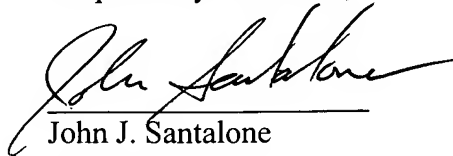
Written Opinion of the International Searching Authority for PCT/EP2004/007794

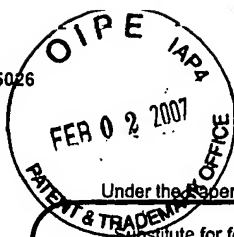
Applicants draw the Examiner's attention to the following co-pending United States patent applications:

- U.S. Patent Application Serial No. 10/564,794 filed January 12, 2006; and
- U.S. Patent Application Serial No. 10/564,798 filed January 13, 2006.

Applicants enclose a check in the amount of \$180.00 for the filing of this Information Disclosure Statement. However, if a fee is deemed necessary, please charge Deposit Account No. 11-0171.

Respectfully submitted,

  
John J. Santalone  
Registration No.: 32,794  
Attorney for Applicant



# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

## **Complete if Known**

Application Number	10/699,158
Filing Date	October 30, 2003
First Named Inventor	ZUBER, Ralf
Art Unit	1748
Examiner Name	To be assigned
Attorney Docket Number	UMICORE 0120-US

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5861222	01-19-1999	FISCHER, et al.	
		US- 6309772	10-31-2001	ZUBER, et al.	
		US- 6500217	12-31-2002	STARZ, et al.	
		US- 6613215	09-02-2003	MOLTER, et al.	
		US- 5187025	02-16-1993	KELLAND, et al.	
		US- 6245454	06-12-2001	GOCHO, et al.	
		US- 5464700	11-07-1995	STECK, et al.	
		US- 2003/0057088 A1	03-07-2003	ICHIKAWA MASAO, et al.	
		US- 10/564,794	N/A	ZUBER, et al.	
		US- 10/564,798	N/A	ZUBER, et al.	
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		EP 1 289 042 A2	03-05-2003	Honda		
		EP 1 289 042 A3	03-06-2005	Honda		
		EP 0 951 086 A2	10-20-1999	Matsushita		
		EP 0 951 086 A3	10-17-2001	Matsushita		
		EP 0 951 086 B1	10-20-1999	Matsushita		
		JP 09289028 A JPO Abstr.	11-04-1997	Tanaka		

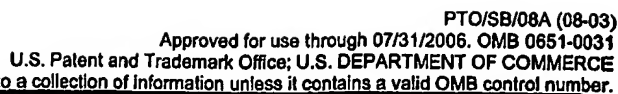
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**(Use as many sheets as necessary)**

Sheet	2	of	3
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FOREIGN PATENT DOCUMENTS						T <sup>B</sup>
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		JP 11045729 A JPO Abstr.	02-16-1999	Fuji		
		WO 02/27845 A2	04-04-2002	Proton		

Date  
Considered

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Substitute for form 1449/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Examiner Name	To be assigned
Attorney Docket Number	UMICORE 0120-US

Sheet

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		International Search Report for PCT/EP2004/007794	
		Written Opinion of the International Searching Authority for PCT/EP2004/007794	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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